

Claims

1. Use of a fatty acid composition comprising at least one of (all-Z omega-3)-5,8,11,14,17-eicosapentaenoic acid (EPA), or derivatives thereof, and (all-Z omega-3)-4,7,10,13,16,19-docosahexaenoic acid (DHA), or derivatives thereof, or any combinations thereof, for the production of a medicinal product for controlling body weight reduction, for preventing body weight gain and for treatment and/or prevention of obesity or an overweight condition.
2. Use according to claim 1, wherein the weight ratio of EPA:DHA in the fatty acid composition is 1:X, where X is equal or greater than 1.
3. Use according to claim 1, wherein the combination of EPA and DHA are present in the composition in an EPA:DHA ratio from 1:1 to 1:8, preferably in an EPA:DHA ratio from 1:1 to 1:6.
4. Use according to claim 1, wherein the fatty acids in the composition is presented in at least one of esterified form, ethyl ester form, salt form and free acid form, or any combinations thereof.
5. Use according to claim 1, wherein at least one of EPA and DHA is obtained from at least one of vegetable, microbial and animal origins or combinations thereof.
6. Use according to claim 1, wherein at least a part of the EPA and/or DHA is produced from a marine oil, preferably a fish oil.

7. Use according to claim 1, wherein the fatty acid composition is produced from a marine oil.
- 5 8. Use according to claim 1, wherein the fatty acid composition is comprised of a combination of EPA and DHA in triglyceride form.
9. Use according to claim 1, wherein the fatty acid 10 composition is administered orally to a human or an animal.
10. Use according to claim 1, wherein the treatment is carried out together with a reduced intake of calories 15 for a human or an animal.
11. Use according to claim 1, wherein said fatty acid composition is administered in a daily dosage in the interval 10-40 % of the total lipid content of a daily 20 diet for a human or an animal.
12. Use according to claim 1, wherein said fatty acid composition is administered in an amount providing a daily dosage of 1 g to 15 g of said fatty acid 25 composition, preferably between 2 and 6 g for a human.
13. A method for treatment and/or prevention of obesity, an overweight condition or for controlling body weight reduction and/or prevention of body weight gain, wherein 30 an effective amount of a fatty acid composition comprising at least one of (all-Z omega-3)-5,8,11,14,17-eicosapentaenoic acid (EPA), or derivatives thereof, and (all-Z omega-3)-4,7,10,13,16,19-docosahexaenoic acid

(DHA), or derivatives thereof, or any combinations thereof, is administered to a human or an animal.

14. A method according to claim 13, wherein the weight
5 ratio of EPA:DHA in the fatty acid composition is 1:X,
where X is equal or greater than 1.

15. A method according to claim 13, wherein the combination of EPA and DHA are present in the composition
10 in an EPA:DHA ratio from about 1:1 to 1:8, preferably in an EPA:DHA ratio from 1:1 to 1:6.

16. A method according to claim 13, wherein the fatty acids in the composition is presented in at least one of
15 esterified form, ethyl ester form, salt form and free acid form, or any combinations thereof.

17. A method according to claim 13, wherein the fatty acid composition is comprised of a combination of EPA and
20 DHA in triglyceride form.

18. A method according to claim 13, wherein at least one of EPA and DHA is obtained from at least one of vegetable, microbial and animal origins.
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19. A method according to claim 13, wherein at least a part of the EPA and/or DHA is produced from a marine oil, preferably a fish oil.

30 20. A method according to claim 13, wherein the composition is administered orally to a human or an animal.

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21. A method according to claim 13, wherein the treatment is carried out together with a reduced intake of calories for the human or an animal.
- 5 22. A method according to claim 13, wherein said fatty acid composition is administered in a daily dosage that corresponds to at least 10 % of the total lipid content of a daily diet for a human or an animal.
- 10 23. Use of a fatty acid composition comprising at least one of (all-Z omega-3)-5,8,11,14,17-eicosapentaenoic acid (EPA), or derivatives thereof, and (all-Z omega-3)-4,7,10,13,16,19-docosahexaenoic acid (DHA), or derivatives thereof, or any combinations thereof, for the 15 production of a food stuff or food supplement for controlling and supporting body weight reduction and/or for prevention of body weight gain.
- 20 24. Use according to claim 23, wherein the weight ratio of EPA:DHA in the fatty acid composition is 1:X, where X is equal or greater than 1.
- 25 25. Use according to claim 23, wherein the combination of EPA and DHA are present in the composition in an EPA:DHA ratio from about 1:1 to 1:8, preferably in an EPA:DHA ratio from 1:1 to 1:6.
- 30 26. Use according to claim 23, wherein the fatty acids in the composition is presented in at least one of esterified form, triglyceride form, ethyl ester form, salt form and free acid form, or any combinations thereof.

27. Use according to claim 23, wherein the fatty acid composition is comprised of a combination of EPA and DHA presented in triglyceride form.
- 5 28. Use according to claim 23, wherein at least one of EPA and DHA is obtained from at least one of vegetable, microbial and animal origins or combinations thereof.
- 10 29. Use according to claim 23, wherein the at least a part of the EPA and/or DHA is produced from a marine oil, preferably a fish oil.
30. Use according to claim 23, wherein the fatty acid composition is produced from a marine oil.
- 15 31. Use according to claim 23, wherein the composition is administered orally to a human or an animal.
- 20 32. Use according to claim 23, wherein the control of body weight, prevention of weight gain and fat reduction is carried out together with a reduced intake of calories for a human or an animal.
- 25 33. Use according to claim 23, wherein said fatty acid composition is administered in a daily dosage that corresponds to at least 10 % of the total lipid content of a daily diet for a human or an animal.
- 30 34. Use according to claim 23, wherein the food stuff or food supplement is in form of a gelatine capsule, which capsule is flavoured.

35. Use according to claim 23, wherein the fatty acid composition is a liquid or an emulsion, and the food stuff or food supplement being administrated as a beverage.

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36. Use according to claim 23, wherein said fatty acid composition comprising DHA or a combination of EPA and DHA is administered in an amount providing a daily dosage of 1 g to 15 g of said fatty acid composition, preferably 10 between 2 and 6 g to a human.

37. A dietary product containing a fatty acid composition comprising at least one of (all-Z omega-3)-5,8,11,14,17-eicosapentaenoic acid (EPA), or derivatives thereof, and 15 (all-Z omega-3)-4,7,10,13,16,19-docosahexaenoic acid (DHA), or derivatives thereof, or any combinations thereof, for non-medical treatment and/or prevention of obesity, an overweight condition and/or for supporting and controlling body weight reduction and/or for 20 prevention of body weight gain.

38. A dietary product according to claim 37, wherein the weight ratio of EPA:DHA in the fatty acid composition is 1:X, where X is equal or greater than 1.

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39. A dietary product according to claim 37, wherein the main active ingredient is DHA.

40. A dietary product according to claim 37, wherein the 30 dietary product is a weight-watching product or a slimming product.

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41. A dietary product according to claim 37, wherein the combination of EPA and DHA are present in the composition in an EPA:DHA ratio from about 1:1 to 1:8, preferably in an EPA:DHA ratio from 1:1 to 1:6.

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42. A dietary product according to claim 37, wherein at least one of EPA and DHA is obtained from at least one of vegetable, microbial and animal origins or combinations thereof.

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43. A dietary product according to claim 37, wherein the fatty acid composition is produced from a marine oil, preferably a fish oil.

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44. A dietary product according to claim 37, wherein intake of the dietary product is combined with a reduced intake of calories for a human and/or together with physical activity.

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45. A dietary product according to claim 37, wherein said fatty acid composition is administered in a daily dosage that corresponds to at least 10 % of the total lipid content of a daily diet for a human or an animal.

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46. A dietary product according to claim 37, wherein the dietary product is a bar, snacks or a beverage.

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47. Use of a fatty acid composition comprising at least one of (all-Z omega-3)-5,8,11,14,17-eicosapentaenoic acid (EPA), or derivatives thereof, and (all-Z omega-3)-4,7,10,13,16,19-docosahexaenoic acid (DHA), or derivatives thereof, or any combinations thereof, in the manufacture of a dietary product for prevention of body

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weight gain and/or for controlling and supporting weight reduction in a human.

48. Use according to claim 47, wherein the weight ratio
5 of EPA:DHA in the fatty acid composition is 1:X, where X
is equal or greater than 1.

49. A method for supplementing a dietary product comprising the step of
10 adding a fatty acid composition comprising at least one of (all-Z omega-3)-5,8,11,14,17-eicosapentaenoic acid (EPA), or derivatives thereof, and (all-Z omega-3)-4,7,10,13,16,19-docosahexaenoic acid (DHA), or derivatives thereof, or any combinations thereof, to the
15 supplement product for prevention of body weight gain and/or for controlling and supporting weight reduction in a human.

50. A method according to claim 49, wherein the weight
20 ratio of EPA:DHA in the fatty acid composition is 1:X, where X is equal or larger than 1.

51. A method according to claim 49, wherein the fatty acid composition is presented in liquid form or as an
25 emulsion, being incorporated in the supplement product.